

## **ABSTRACT OF THE DISCLOSURE**

A method and system of producing a disinfecting solution comprising directing feed water at a predetermined flow rate into a dosing storage tank; circulating the feed water from the dosing storage tank through one or more disinfectant containers and back into the dosing storage tank. Preferably, a disinfectant within the one or more disinfectant containers comprise dissolve characteristics to form a disinfecting solution when dissolved in the feed water. The flow rate of feed water directed into the dosing storage tank and circulated through out the disinfecting is predetermined and controlled to match the dissolve characteristics of the disinfectant within one or more disinfectant containers. Controlling the amount of feed water maintains a substantially consistent concentration of disinfecting solution throughout the dosing storage tank.